

Title: AUTOMATIC TRANSMISSION CONTROL SYSTEM WITH DIRECT ELECTRONIC SWAP-SHIFT CONTROL

First Named Inventor: Ihab Soliman
Atty. Docket No.: FMC 1626 PUS/202-1016

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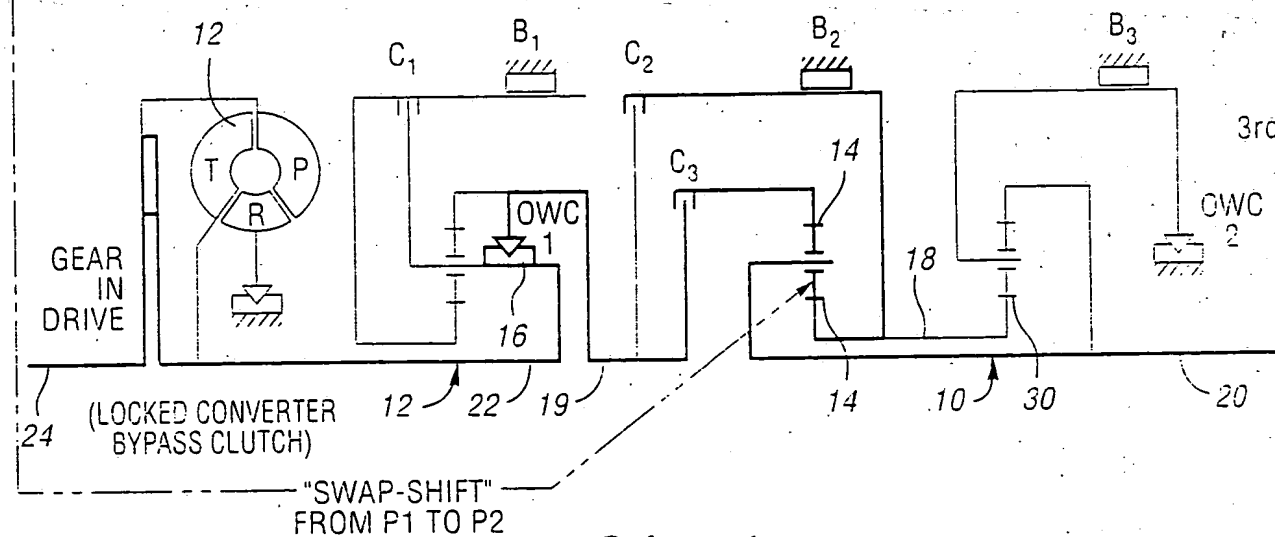
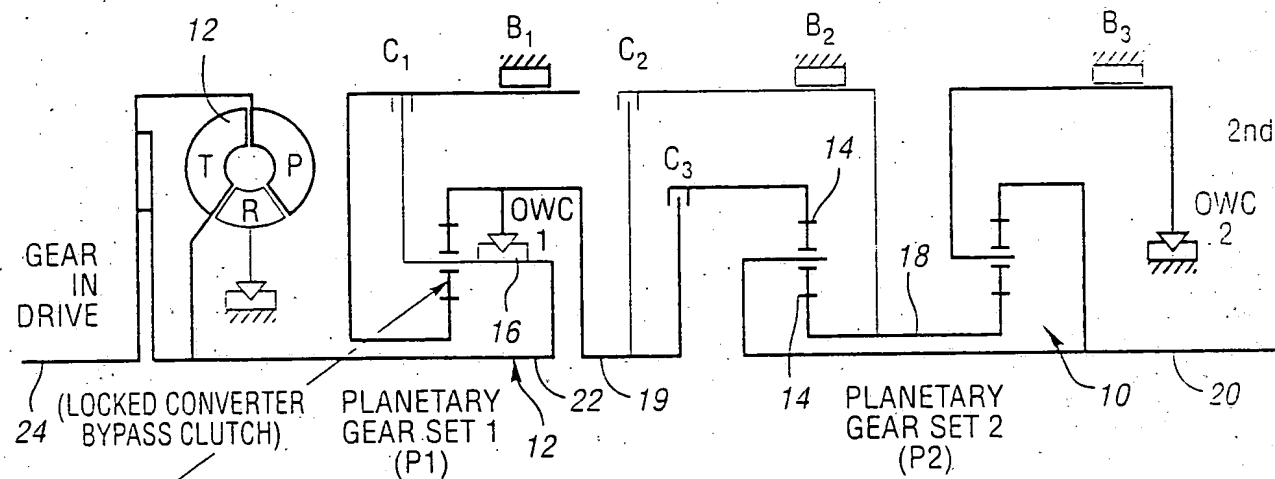
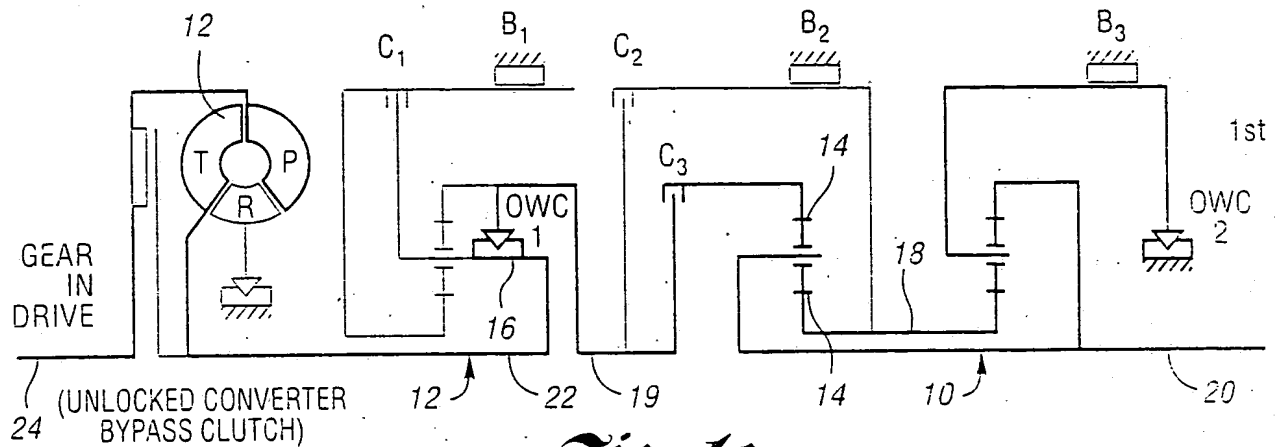
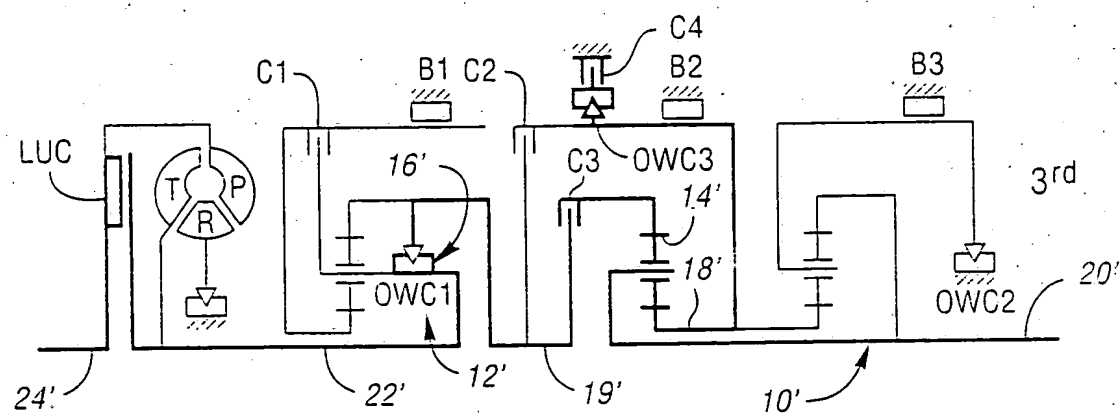


Fig. 1e

Fig. 1f



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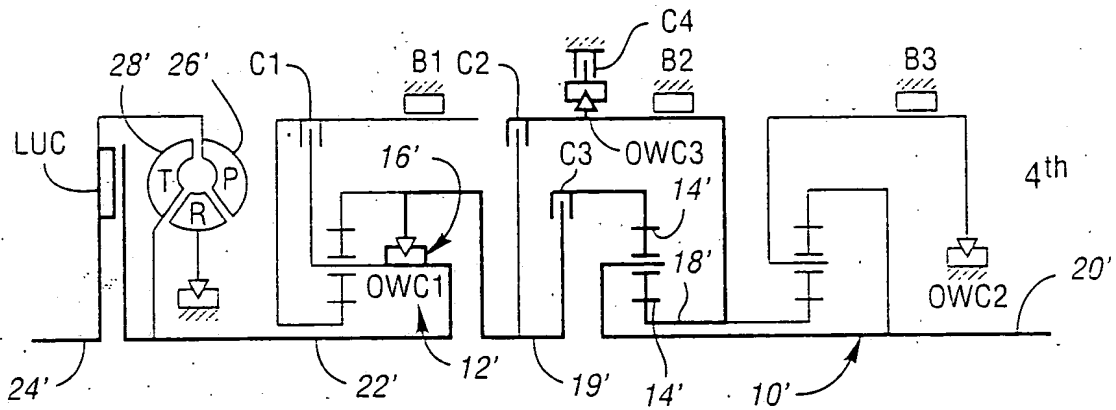


Fig. 1g

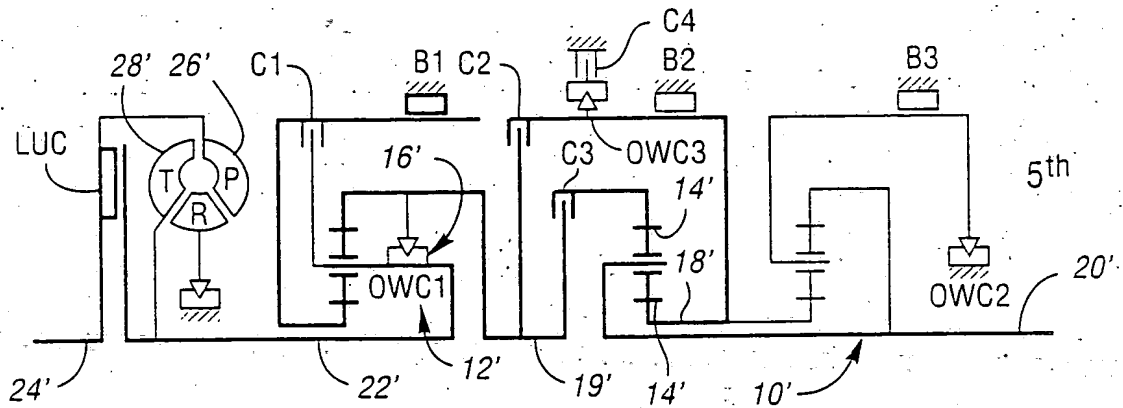


Fig. 1h

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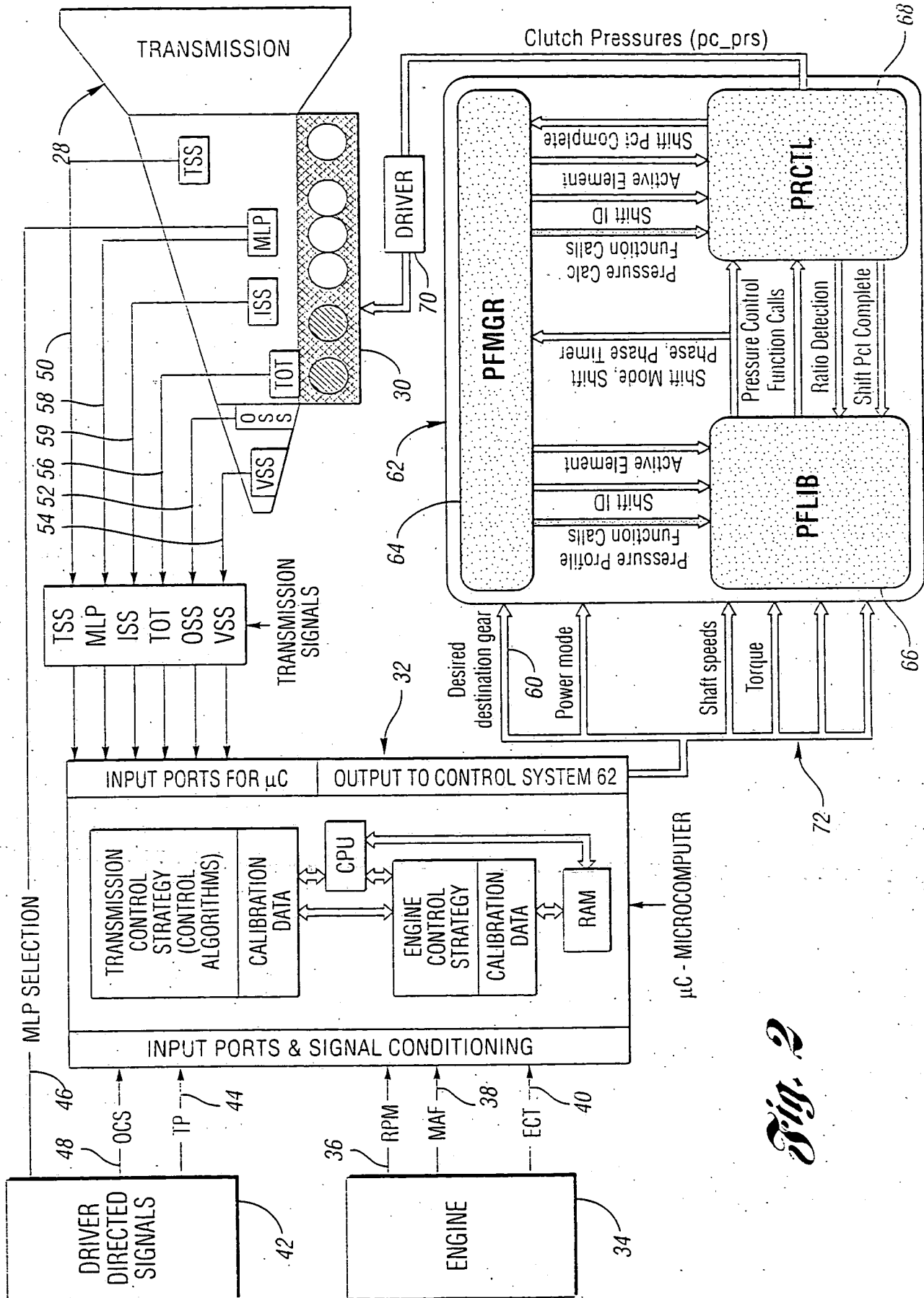


Fig. 2

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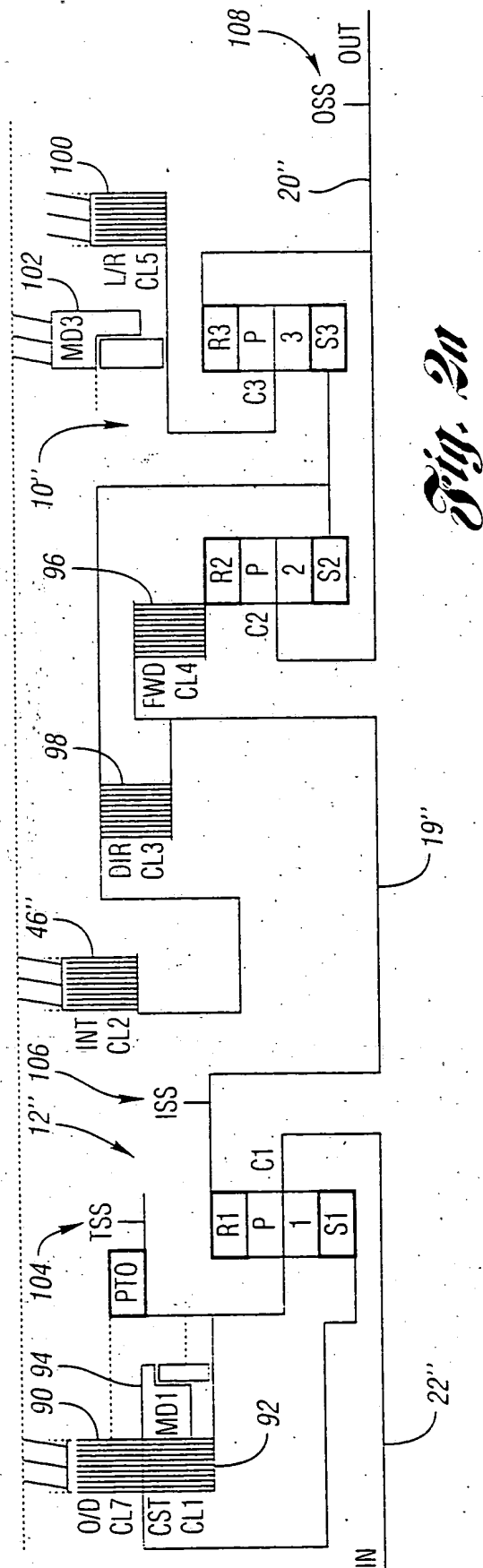


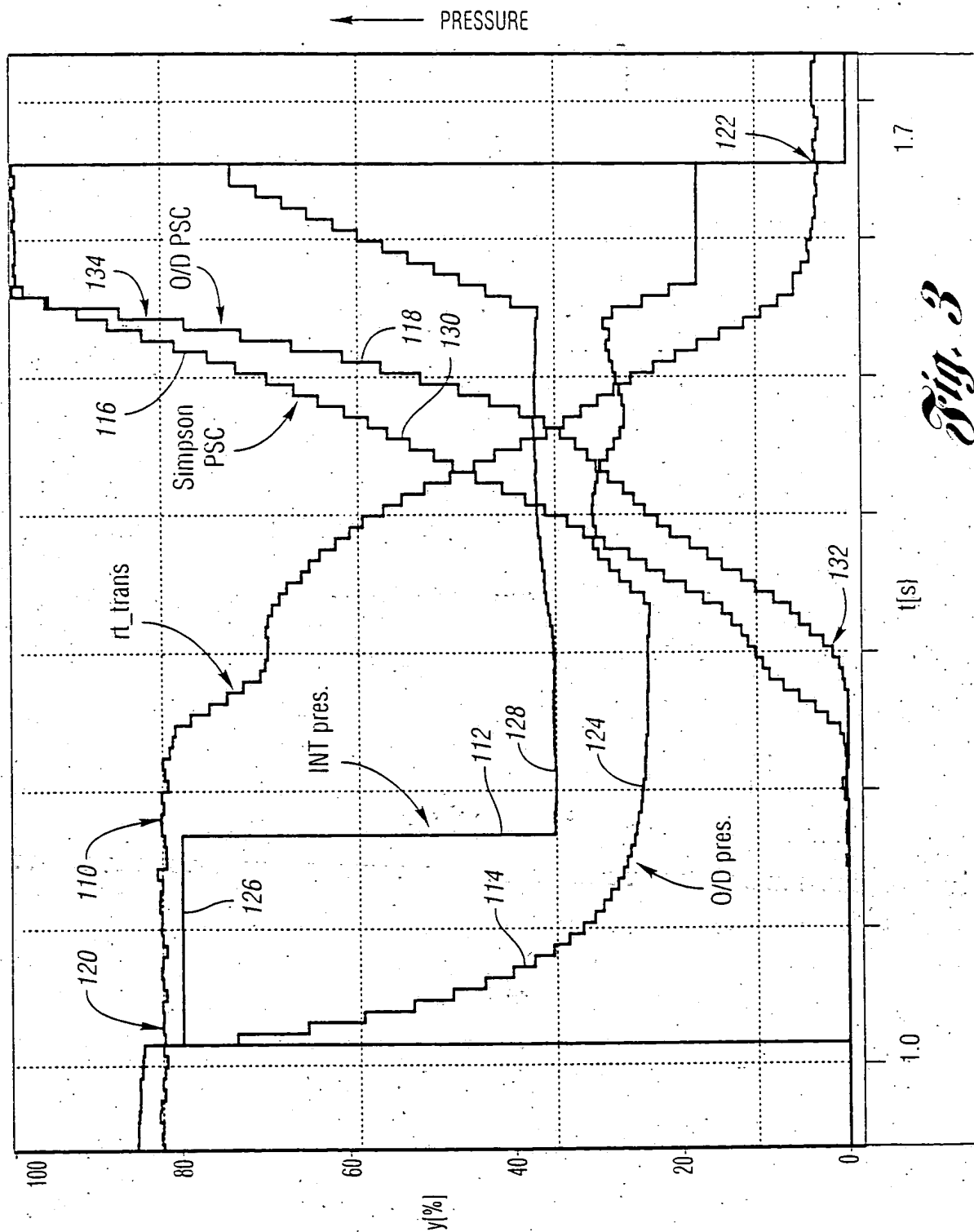
Fig. 2b

| GEAR | 1 | 2 | 3 | 4 | 5 | 6 |
|--------------------------|--------------|---------------|--------------|---------------|--------------|---------------|
| 2-SPEED OD SET | LOW 1 | HIGH 0.712 | LOW 1 | HIGH 0.712 | LOW 1 | HIGH 0.712 |
| 3-SPEED SIMPSON GEAR SET | 1st 3.090 | 1st 3.091 | 2nd 1.538 | 2nd 1.539 | 3rd 1.000 | 3rd 1.000 |
| TOTAL GEAR RATIO | 3.09 | 2.201 | 1.538 | 1.096 | 1 | 0.712 |

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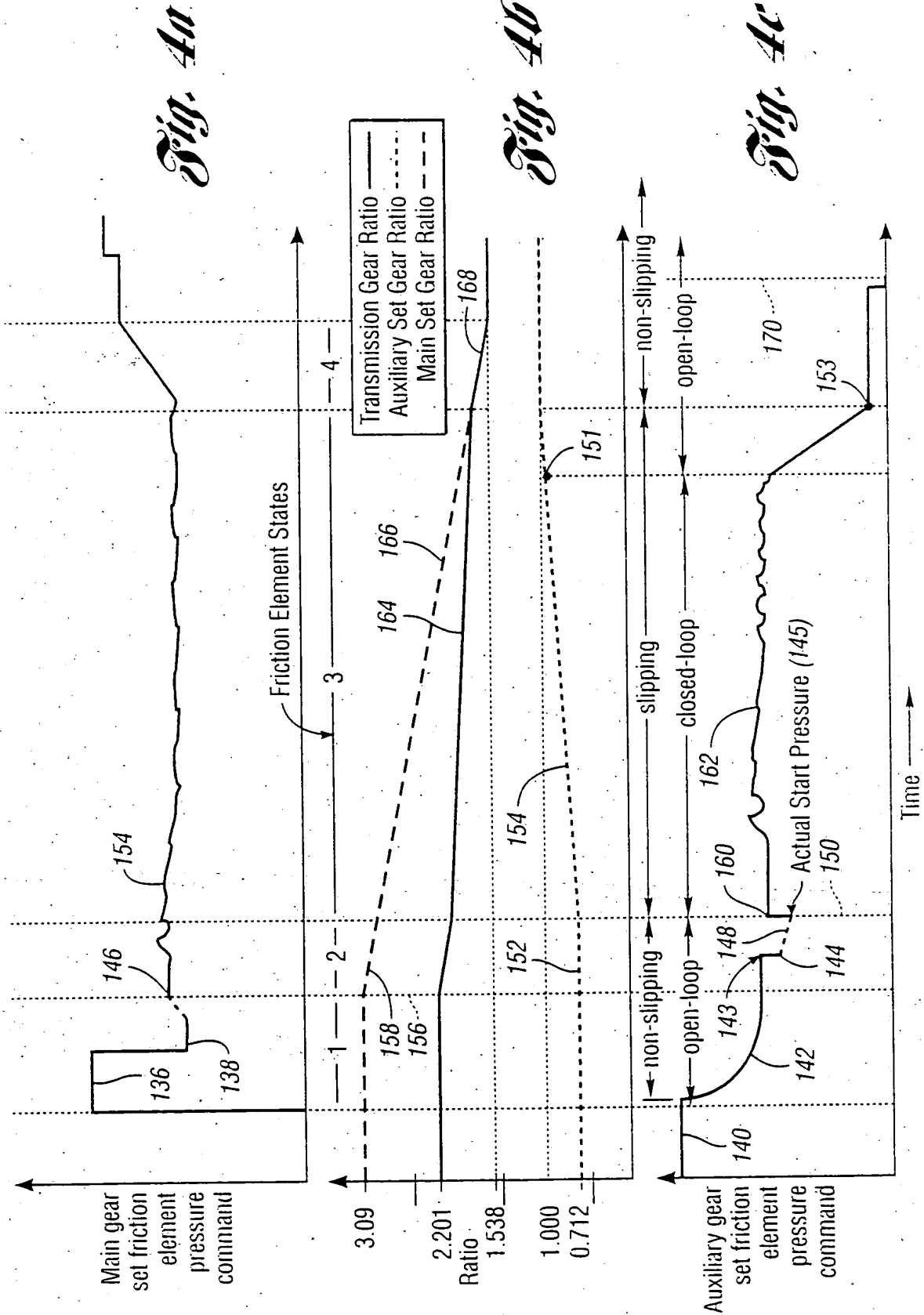
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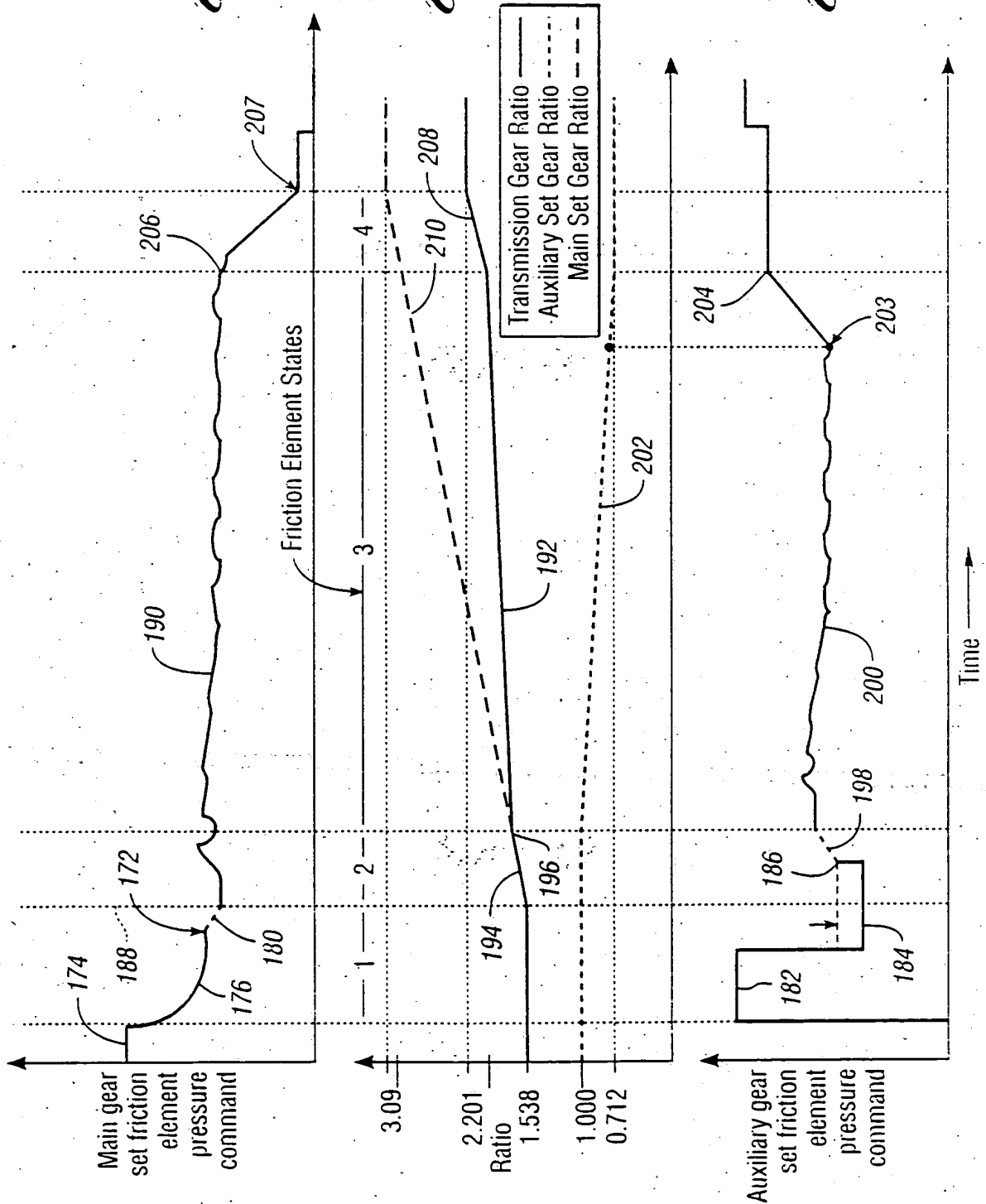
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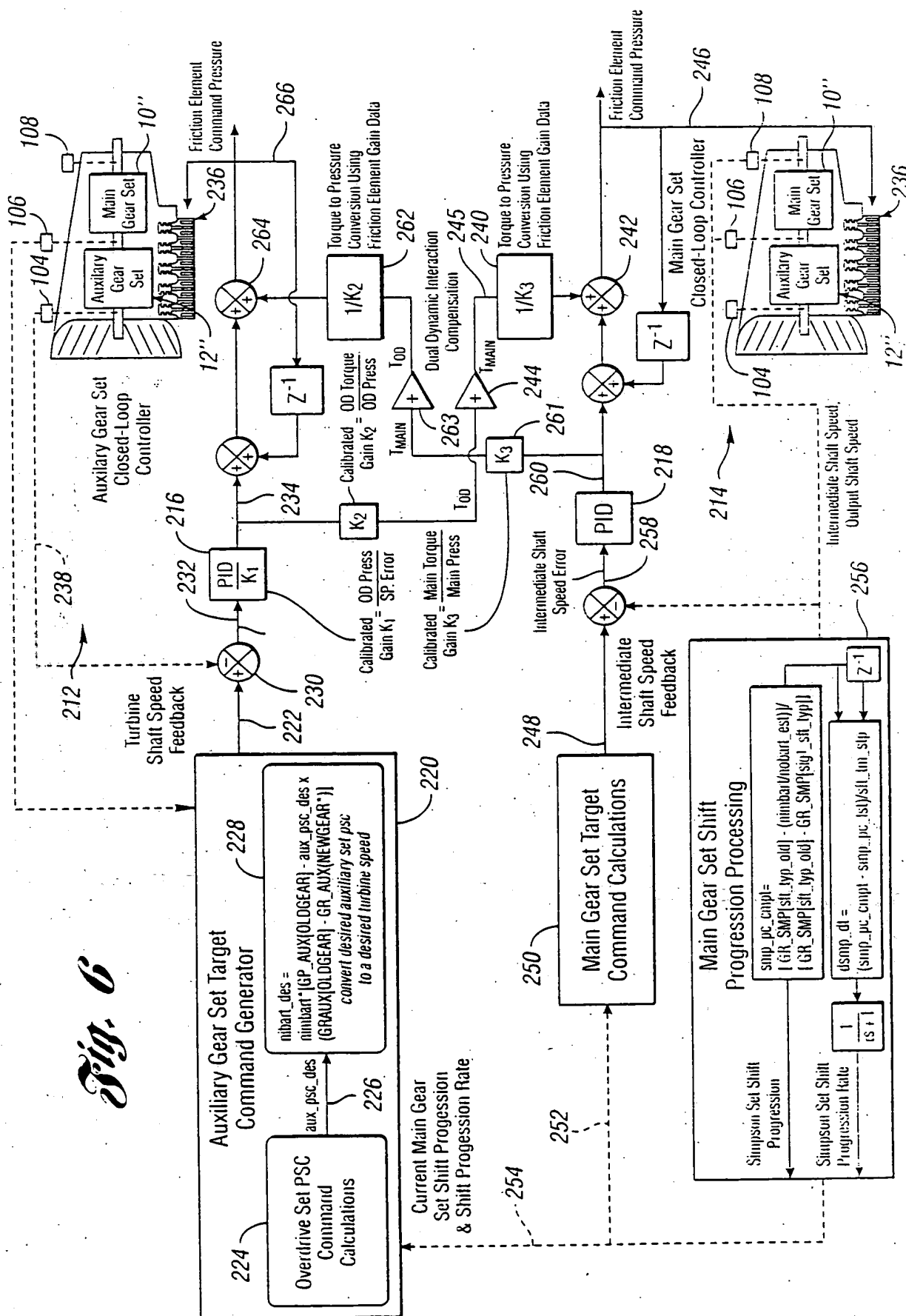
Fig. 5a

Fig. 5b

Fig. 5c



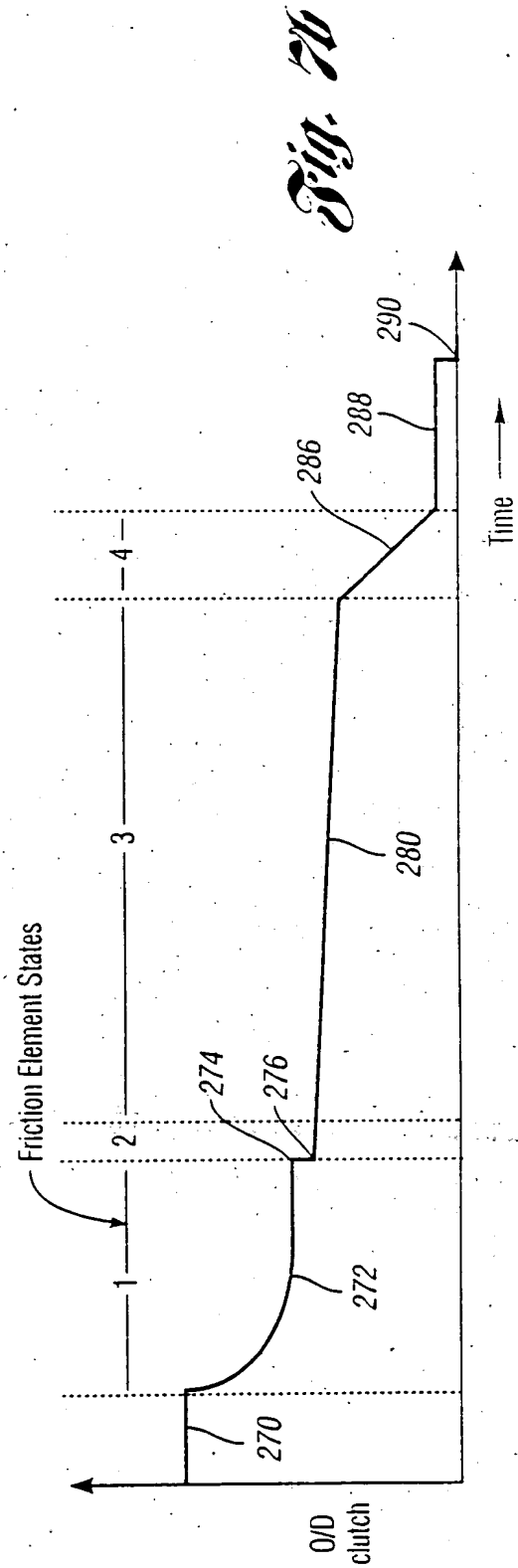
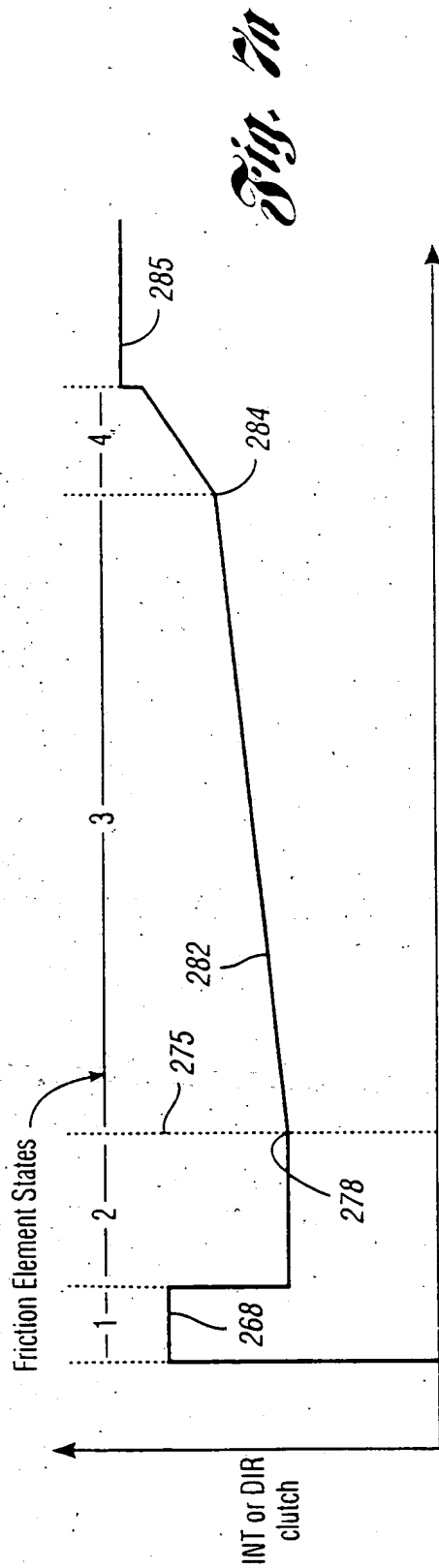
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Fig. 8a

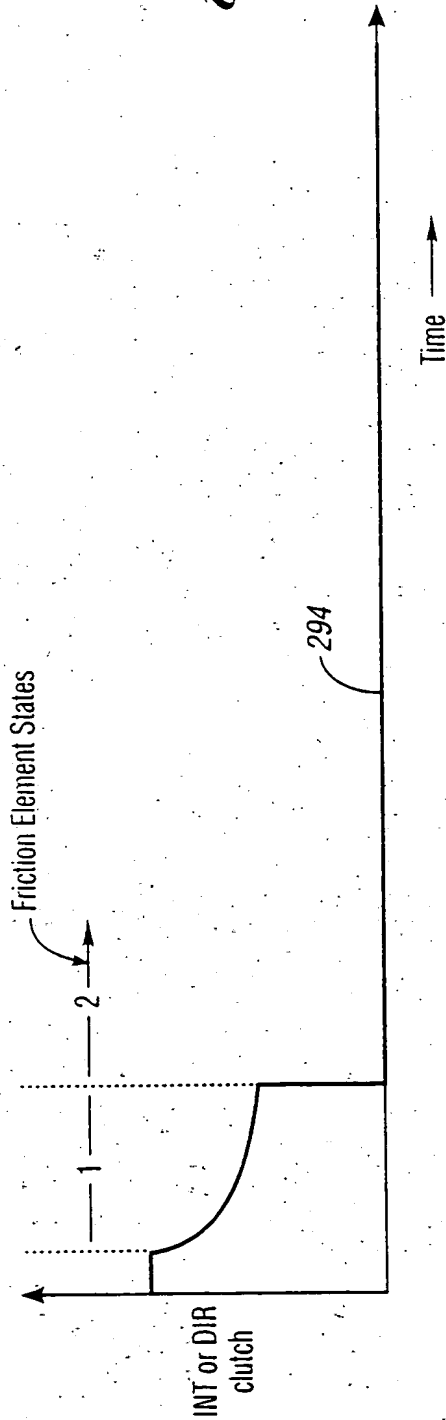
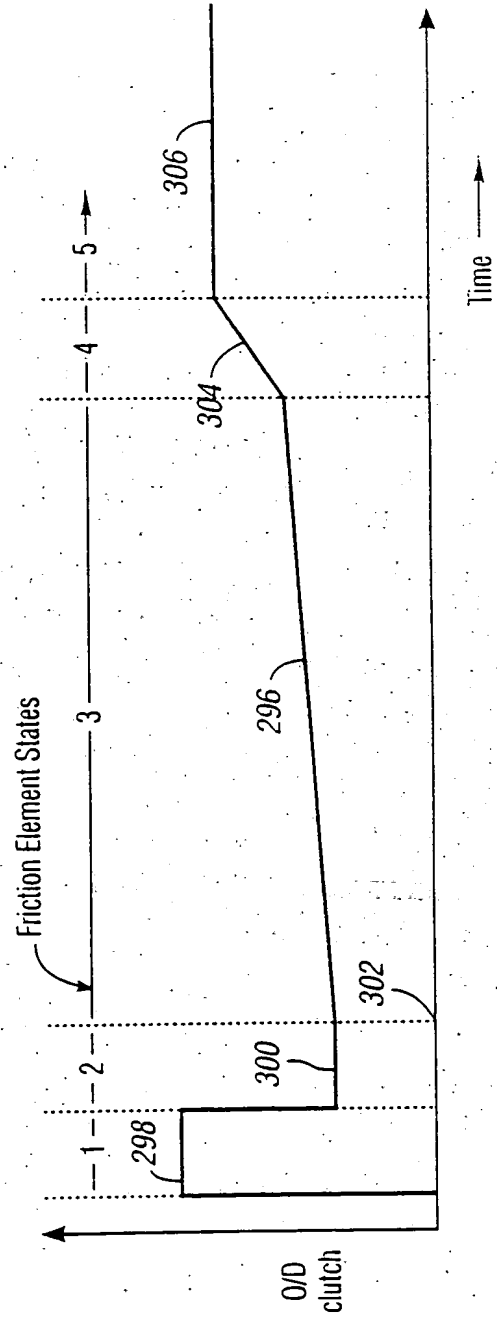


Fig. 8b



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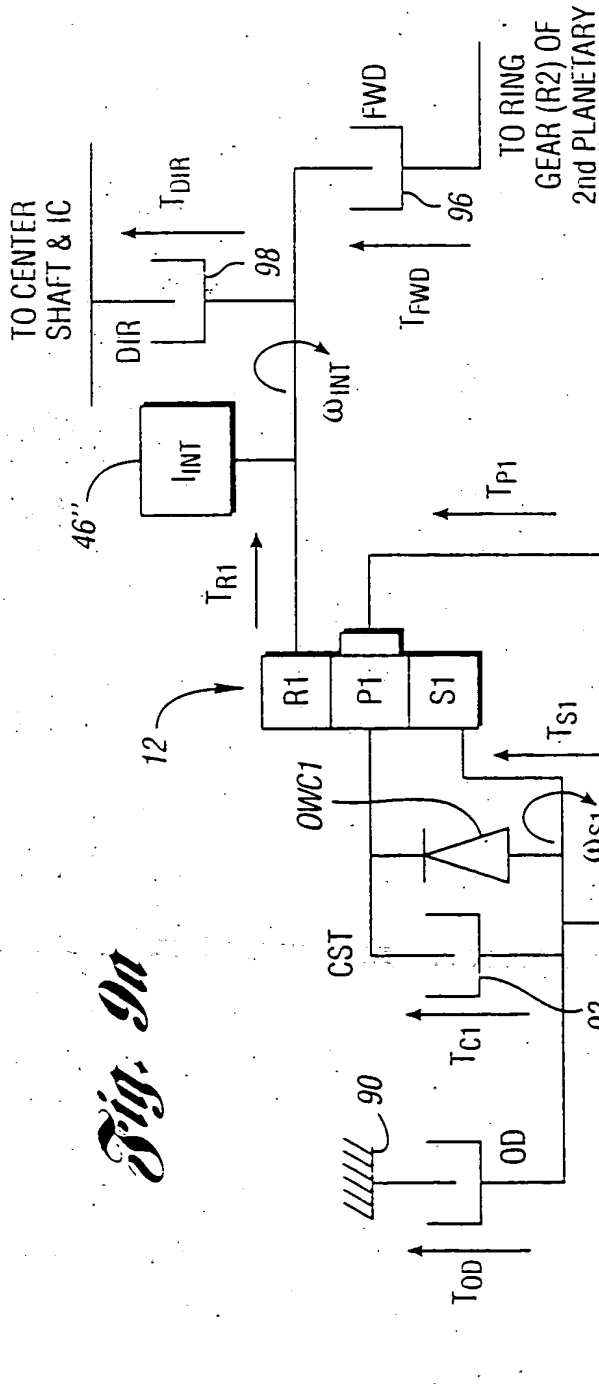


Fig. 9a

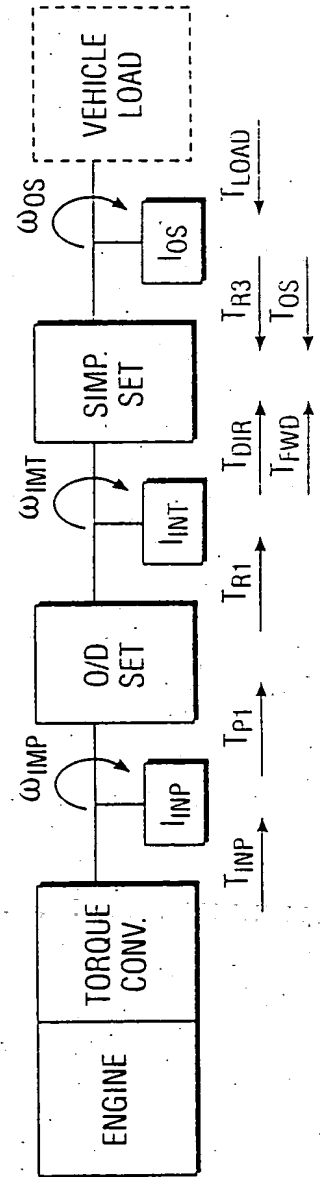


Fig. 9b

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